

AUTHOR INDEX TO VOLUME 141

Abbé, J.Ch., see A. Marques-Netto 141 (1987) 198

Abed, K.J., S. Clough, C.J. Carlile, B. Rosi and R.C. Ward, The symmetry of the methyl hindering potential and the temperature independence of the tunnel frequency in 4-methylpyridine 141 (1987) 215

Agmon, N., New approximate limiting laws for activity and rate coefficients of ions in solution 141 (1987) 122

Alabart, J.R. and R. Caballol, The hydrogen bonding in $H_3Y\cdots HX$ ($Y=P$, As; $X=Cl$, Br) complexes: an ab initio CI study 141 (1987) 334

Allen, L.C., see D.B. Kitchen 141 (1987) 525

Aquilanti, V. and S. Cavalli, Hyperspherical analysis of kinetic paths for elementary chemical reactions and their angular momentum dependence 141 (1987) 309

Arrighini, G.P., C. Guidotti and N. Durante, Photoionization by a variational approach: a simple application to the hydrogen atom 141 (1987) 361

Augustynski, J., see M. Ullmann 141 (1987) 154

Awaga, K., T. Sugano and M. Kinoshita, Ferromagnetic intermolecular interaction in the galvinoxyl radical: cooperation of spin polarization and charge-transfer interaction 141 (1987) 540

Axe, F.U. and D.S. Marynick, Energetics of the reaction $Mn(H)(CO) \rightarrow Mn(HCO)$ 141 (1987) 455

Azumi, T., see M. Terazima 141 (1987) 237

Bader, R.F.W., see W.L. Cao 141 (1987) 380

Banerjee, A.K., B. Karmakar and M. Chowdhury, Direction-dependent circular dichroism spectra of single crystals of cubic sodium uranyl acetate 141 (1987) 232

Banna, M.S., see B.H. McQuaide 141 (1987) 306

Banna, M.S., see A.R. Slaughter 141 (1987) 414

Bardez, E. and B. Valeur, Behavior of "proton sponge" in water-containing reverse micelles 141 (1987) 261

Bartlett, R.J., see E.A. Salter 141 (1987) 61

Bassoul, P., see P. Mihailovic 141 (1987) 462

Basu, S., L. Kundu and M. Chowdhury, The influence of trivalent lanthanide ions on the magnetic field effect of pyrene-dimethylaniline exciplex luminescence 141 (1987) 115

Bauder, A., see B. Vogelsanger 141 (1987) 245

Beynon, J.H., see Z. Herman 141 (1987) 433

Bini, R., see P.R. Salvi 141 (1987) 417

Black, G., L.E. Jusinski and T.G. Slanger, Quenching of $N(^2D)$ by cyanogen 141 (1987) 58

Blake, G.A., see K.L. Busarow 141 (1987) 289

Blau, W., see J.D. Magan 141 (1987) 489

Bódiss, J., see M. Wittmann 141 (1987) 241

Boesl, U., see R. Weintraub 141 (1987) 267

Boggs, J.E., see K.D. Dobbs 141 (1987) 372

Bogner, U., see J. Gerblinger 141 (1987) 31

Bowman, J.M., Comparison of reduced dimensionality and accurate cumulative reaction probabilities for $O(^3P) + H_2(\nu=0, 1)$ 141 (1987) 545

AUTHOR INDEX TO VOLUME 141

Abbé, J.Ch., see A. Marques-Netto 141 (1987) 198

Abed, K.J., S. Clough, C.J. Carlile, B. Rosi and R.C. Ward, The symmetry of the methyl hindering potential and the temperature independence of the tunnel frequency in 4-methylpyridine 141 (1987) 215

Agmon, N., New approximate limiting laws for activity and rate coefficients of ions in solution 141 (1987) 122

Alabart, J.R. and R. Caballol, The hydrogen bonding in $H_3Y\cdots HX$ ($Y=P, As; X=Cl, Br$) complexes: an ab initio CI study 141 (1987) 334

Allen, L.C., see D.B. Kitchen 141 (1987) 525

Aquilanti, V. and S. Cavalli, Hyperspherical analysis of kinetic paths for elementary chemical reactions and their angular momentum dependence 141 (1987) 309

Arrighini, G.P., C. Guidotti and N. Durante, Photoionization by a variational approach: a simple application to the hydrogen atom 141 (1987) 361

Augustynski, J., see M. Ullmann 141 (1987) 154

Awaga, K., T. Sugano and M. Kinoshita, Ferromagnetic intermolecular interaction in the galvinoxyl radical: cooperation of spin polarization and charge-transfer interaction 141 (1987) 540

Axe, F.U. and D.S. Marynick, Energetics of the reaction $Mn(H)(CO) \rightarrow Mn(HCO)$ 141 (1987) 455

Azumi, T., see M. Terazima 141 (1987) 237

Bader, R.F.W., see W.L. Cao 141 (1987) 380

Banerjee, A.K., B. Karmakar and M. Chowdhury, Direction-dependent circular dichroism spectra of single crystals of cubic sodium uranyl acetate 141 (1987) 232

Banna, M.S., see B.H. McQuaide 141 (1987) 306

Banna, M.S., see A.R. Slaughter 141 (1987) 414

Bardez, E. and B. Valeur, Behavior of "proton sponge" in water-containing reverse micelles 141 (1987) 261

Bartlett, R.J., see E.A. Salter 141 (1987) 61

Bassoul, P., see P. Mihailovic 141 (1987) 462

Basu, S., L. Kundu and M. Chowdhury, The influence of trivalent lanthanide ions on the magnetic field effect of pyrene-dimethylaniline exciplex luminescence 141 (1987) 115

Bauder, A., see B. Vogelsanger 141 (1987) 245

Beynon, J.H., see Z. Herman 141 (1987) 433

Bini, R., see P.R. Salvi 141 (1987) 417

Black, G., L.E. Jusinski and T.G. Slanger, Quenching of $N(^2D)$ by cyanogen 141 (1987) 58

Blake, G.A., see K.L. Busarow 141 (1987) 289

Blau, W., see J.D. Magan 141 (1987) 489

Bódiss, J., see M. Wittmann 141 (1987) 241

Boesl, U., see R. Weintraub 141 (1987) 267

Boggs, J.E., see K.D. Dobbs 141 (1987) 372

Bogner, U., see J. Gerblinger 141 (1987) 31

Bowman, J.M., Comparison of reduced dimensionality and accurate cumulative reaction probabilities for $O(^3P) + H_2(\nu=0, 1)$ 141 (1987) 545

Brenton, A.G., see Z. Herman	141 (1987) 433
Brenton, A.G., see P. Jonathan	141 (1987) 511
Brewer, P.D., The production of Te atoms by the multiphoton dissociation of diethyltelluride	141 (1987) 301
Brusilovsky, D. and R. Reisfeld, The influence of alkoxy silanes on the disappearance of pyrene excimers	141 (1987) 119
Bumgarner, R.E., see S.G. Kukolich	141 (1987) 12
Bunker, P.R., see P. Jensen	141 (1987) 53
Busarow, K.L., G.A. Blake, K.B. Laughlin, R.C. Cohen, Y.T. Lee and R.J. Saykally, Tunable far-infrared laser spectroscopy in a planar supersonic jet: the Σ bending vibration of $\text{Ar}-\text{H}^{35}\text{Cl}$	141 (1987) 289
Caballol, R., see J.R. Alabart	141 (1987) 334
Caminati, W., see B. Vogelsanger	141 (1987) 245
Cao, W.L., C. Gatti, P.J. MacDougall and R.F.W. Bader, On the presence of non-nuclear attractors in the charge distributions of Li and Na clusters	141 (1987) 380
Carlile, C.J., see K.J. Abed	141 (1987) 215
Casarini, M., A. Vittadini, G. Granozzi, I. Fragalà and S. di Bella, An accurate DV $\text{X}\alpha$ investigation of the electronic structure of bis(2,4-pentanedionato)palladium(II)	141 (1987) 193
Castellucci, E., see P.R. Salvi	141 (1987) 417
Cavalli, S., see V. Aquilanti	141 (1987) 309
Chakraborty, D.K., P.C. Tellinghuisen and J. Tellinghuisen, The emission spectrum of BrCl : analysis of the $\text{D}' \rightarrow \text{A}'$ and $\text{E} \rightarrow \text{B}$ transitions	141 (1987) 36
Chandler, D.W., see T.A. Spiglanin	141 (1987) 428
Chau, S.K., see W.P. Leung	141 (1987) 220
Chidsey, C.E.D., see A.L. Harris	141 (1987) 350
Cho, K.C., see W.P. Leung	141 (1987) 220
Chojnacki, H., see D. Michalska	141 (1987) 376
Chowdhury, M., see S. Basu	141 (1987) 115
Chowdhury, M., see A.K. Banerjee	141 (1987) 232
Choy, C.L., see W.P. Leung	141 (1987) 220
Chu, S.-I., see T.-S. Ho	141 (1987) 315
Clough, S., see K.J. Abed	141 (1987) 215
Cohen, R.C., see K.L. Busarow	141 (1987) 289
Cotes, N.J. and M.G. Sceats, Recombination dynamics in a hemispherical cage. A model of geminate ligand binding in the hemeprotein pocket	141 (1987) 405
Cowley, A.H., see K.D. Dobbs	141 (1987) 372
Croke, D.T., see J.D. Magan	141 (1987) 489
Curtiss, L.A. and J.A. Pople, Comparison of correlation effects on the inversion barriers in CF_3 and NF_3 , from perturbation theory and configuration interaction	141 (1987) 175
Dalgarno, A., see R. Friedman	141 (1987) 469
Daniel, C., see A. Veillard	141 (1987) 329
De Bleijser, J., see J.R.C. van der Maarel	141 (1987) 251
Dedieu, A., S. Nakamura and J.C. Sheldon, The effect of non-dynamical electron correlation on the cis-trans conformational isomerism of $\text{H}_2\text{Fe}(\text{CO})_4$	141 (1987) 323
De Giambiagi, M.S., M. Giambiagi and P. Pitanga, Reply to "Comment on direct consequences of the bond index statistical interpretation"	

27 November 1987
141 (1987) 466

Dewar, M.J.S. and E.F. Healy, Ab initio study of the chair Cope rearrangement of 1,5-hexadiene 141 (1987) 521

Di Bella, S., see M. Casarin 141 (1987) 193

Diercksen, G.H.F. and A.J. Sadlej, Second-order electric properties of the $X^1\Sigma^+$ state of AlH 141 (1987) 530

Diercksen, G.H.F., see P. Pykkö 141 (1987) 535

Disch, R.L., see J.M. Schulman 141 (1987) 45

Dissado, L.A., A relationship between correlation-weakening, power laws, and self-similarity in linear response theory 141 (1987) 515

Dobbs, K.D., J.E. Boggs and A.H. Cowley, Trends in structure and reactivity of group 15 alkyls, alkylidenes, and alkylidynes 141 (1987) 372

Duplătre, G., see A. Marques-Netto 141 (1987) 198

Durante, N., see G.P. Arrighini 141 (1987) 361

Duval, M.-C. and B. Soep, Potential characteristics of the mercury-methane van der Waals complex 141 (1987) 225

Dykstra, C.E., Intermolecular electrical interactions and the structures and rigidity of cyclic, weakly bonded complexes 141 (1987) 159

Endo, Y., H. Kanamori and E. Hirota, Submillimeter-wave spectroscopy of a $^1\Delta$ SO in excited vibrational states produced by 193 nm photolysis of Cl_2SO 141 (1987) 129

Ennas, G., A. Musinu, G. Piccaluga, G. Pinna and M. Magini, Short-range order in a NAsIGLAS sample by X-ray diffraction 141 (1987) 143

Eryomin, V. and N. Kuz'menko, Differential equations for matrix elements in a class of models of bound-continuum transitions 141 (1987) 397

Ezell, K.G., see L.D. Kispert 141 (1987) 206

Fantine, E.O., see A. Marques-Netto 141 (1987) 198

Fantola Lazzarini, A.L. and E. Lazzarini, On the reactions of ortho-positronium with methylmaleic and methylfumaric acids 141 (1987) 459

Fischer, S.F., see P.O.J. Scherer 141 (1987) 179

Fitzgerald, G., see E.A. Salter 141 (1987) 61

Fletcher, P.D.I., Interfacial tension between microemulsion and excess dispersed phases 141 (1987) 357

Foggi, P., see P.R. Salvi 141 (1987) 417

Fragalà, I., see M. Casarin 141 (1987) 193

Frattini, R., M. Sampoli, M.A. Ricci and G. Ruocco, Induced contributions in the Rayleigh spectra of water: a molecular dynamics simulation 141 (1987) 297

Friedman, R., S. Preston and A. Dalgarno, The CH^{2+} cation 141 (1987) 469

Fujimoto, H., T. Mori, H. Inokuchi, N. Ueno, K. Sugita and K. Seki, Intramolecular band mapping of $n\text{-CH}_3(\text{CH}_2)_{34}\text{CH}_3$ over the whole Brillouin zone by angle-resolved photoemission 141 (1987) 485

Futakami, M., see T. Kobayashi 141 (1987) 450

Garzó, V., Transport properties in disparate-mass binary gases 141 (1987) 255

Gatti, C., see W.L. Cao 141 (1987) 380

Gaw, J.F., see E.D. Simandiras 141 (1987) 166

Gellene, G.I., see S.F. Selgren 141 (1987) 508

Gerblinger, J., U. Bogner and M. Maier, Electric-field-induced spectral matrix-shift variations of perylene in non-polar matrices

Giambiagi, M., see M.S. de Giambiagi	141 (1987) 31
Goodman, J.L., see J.A. LaVilla	141 (1987) 466
Granozzi, G., see M. Casarin	141 (1987) 149
Grieser, F., P.J. Thistlethwaite and R.S. Urquhart, Pressure-area isotherms and fluorescence behaviour of 12-(1-pyrenyl)dodecanoic acid at the air-aqueous solution interface	141 (1987) 193
Grund, I., see O. Varnavsky	141 (1987) 108
Guidotti, C., see G.P. Arrighini	141 (1987) 99
Ha, D.-H., S.-K. Lee and J.-J. Kim, Re-examination of adatomic effects in electrochemical SERS systems	141 (1987) 361
Hada, M., H. Yokono and H. Nakatsuji, Frozen core and virtual orbitals in the MC SCF theory	141 (1987) 104
Hamdan, M., see P. Jonathan	141 (1987) 339
Handy, N.C., see E.D. Simandiras	141 (1987) 511
Harris, A.L., C.E.D. Chidsey, N.J. Levino and D.N. Loiacono, Monolayer vibrational spectroscopy by infrared-visible sum generation at metal and semiconductor surfaces	141 (1987) 166
Hauser, M., see O. Varnavsky	141 (1987) 350
Hawkins, M.D., see B.H. McQuaide	141 (1987) 99
Healy, E.F., see M.J.S. Dewar	141 (1987) 306
Herman, Z., P. Jonathan, A.G. Brenton and J.H. Beynon, Non-dissociative single electron capture by CO^{2+} from rare gases	141 (1987) 521
Herman, Z., see P. Jonathan	141 (1987) 433
Hess Jr., B.A., see D. Michalska	141 (1987) 511
Hidaka, Y. and T. Oki, Isomerization of cyclopropane to propylene in shock waves	141 (1987) 376
Hirota, E., see Y. Endo	141 (1987) 212
Ho, T.-S. and S.-I. Chu, Coupled dressed-states formalism for multiphoton excitation and population inversion by coherent pulses	141 (1987) 129
Hudgens, J.W., see R.D. Johnson III	141 (1987) 315
Ichikawa, S., see Y. Teki	141 (1987) 163
Ichinose, H., see Y. Mizugai	141 (1987) 201
Inokuchi, H., see H. Fujimoto	141 (1987) 41
Itoh, K., see Y. Teki	141 (1987) 485
Itoh, M., see K. Tokumura	141 (1987) 201
Jensen, J.O. and D.R. Yarkony, On the characterization of the dipolar spin-spin interaction in molecular systems: a symbolic matrix element approach	141 (1987) 558
Jensen, P., P.R. Bunker and A.D. McLean, An ab initio calculation of the rotation-vibration energies of singlet and triplet NH_2^+ using the MORBID Hamiltonian	141 (1987) 391
Jent, F., H. Paul, K.A. McLauchlan and D.G. Stevens, The concentration dependence of the phase of radical-pair mechanism chemically induced dynamic electron polarization (CIDEP)	141 (1987) 53
Jodkowski, J.T., see P. Pagsberg	141 (1987) 443
Johnson III, R.D. and J.W. Hudgens, A new electronic spectrum of the SiH_3 radical observed using multiphoton ionization spectroscopy	141 (1987) 88
Joly, A.G., see S. Ruhman	141 (1987) 163
Jonathan, P., see Z. Herman	141 (1987) 16
	141 (1987) 433

Jonathan, P., Z. Herman, M. Hamdan and A.G. Brenton, Translational energy spectroscopy of the NO^{2+} dication	141 (1987) 511
Joseph, J., see L.D. Kispert	141 (1987) 206
Jusinski, L.E., see G. Black	141 (1987) 58
Kajimoto, O., see T. Kobayashi	141 (1987) 450
Kanamori, H., see Y. Endo	141 (1987) 129
Kärger, J. and G. Vojta, On the use of NMR pulsed field-gradient spectroscopy for the study of anomalous diffusion in fractal networks	141 (1987) 411
Karmakar, B., see A.K. Banerjee	141 (1987) 232
Kelly, J.M., see J.D. Magan	141 (1987) 489
Kendrick, R.D., see W. Stöcklein	141 (1987) 277
Kim, J.-J., see D.-H. Ha	141 (1987) 104
Kimura, K., see H. Shiromaru	141 (1987) 7
Kinoshita, M., see K. Awaga	141 (1987) 540
Kinoshita, T., see Y. Teki	141 (1987) 201
Kispert, L.D., K.G. Ezell and J. Joseph, The oriented C_2Cl_6^- radical in irradiated hexachloroethane single crystals: an EPR and molecular-orbital study	141 (1987) 206
Kitchen, D.B., T.P. Ruane and L.C. Allen, Water binding in cryogenic liquids: the $\text{H}_2\text{O} \cdots \text{N}_2$ hydrogen bond	141 (1987) 525
Klein, U.K.A., see O. Varnavsky	141 (1987) 99
Kobayashi, T., M. Futakami and O. Kajimoto, The charge-transfer state of 4-dimethylamino-3,5-dimethylbenzonitrile studied in a free jet	141 (1987) 450
Kohler, B., see S. Ruhman	141 (1987) 16
Kryachko, E.S., The cooperative model for orientational defects in ice: continuum approach	141 (1987) 346
Kukolich, S.G., R.E. Bumgarner and D.J. Pauley, The microwave spectrum of the ONN-HF complex	141 (1987) 12
Kundu, L., see S. Basu	141 (1987) 115
Kuz'menko, N., see V. Eryomin	141 (1987) 397
Laaksonen, L., see P. Pyykkö	141 (1987) 535
Laughlin, K.B., see K.L. Busarow	141 (1987) 289
LaVilla, J.A. and J.L. Goodman, The energetics and kinetics of relaxed alkene triplet states as determined by pulsed time-resolved photoacoustic calorimetry	141 (1987) 149
Lazzarini, E., see A.L. Fantola Lazzarini	141 (1987) 459
Lee, S.-K., see D.-H. Ha	141 (1987) 104
Lee, Y.T., see R.H. Page	141 (1987) 1
Lee, Y.T., see K.L. Busarow	141 (1987) 289
Legon, A.C., D.J. Millen and L.C. Willoughby, Fermi resonance perturbations between $(\nu_\beta = n)$ and $(\nu_\sigma = 1, \nu_\beta = n-2)$ states in the rotational spectrum of $\text{HCN} \cdots \text{HF}$	141 (1987) 493
Leung, W.P., K.C. Cho, S.K. Chau and C.L. Choy, Measurement of the protein-ligand bond energy of carboxymyoglobin by pulsed photoacoustic calorimetry	141 (1987) 220
Levinos, N.J., see A.L. Harris	141 (1987) 350
Lock, H., see R.A. Wind	141 (1987) 283
Loiacono, D.N., see A.L. Harris	141 (1987) 350
MacDougall, P.J., see W.L. Cao	141 (1987) 380

Machado, J.C., see A. Marques-Netto	141 (1987) 198
Madura, J.D., B.M. Pettitt and J.A. McCammon, Geometric considerations in the calculation of relative free energies of activation	141 (1987) 83
Magan, J.D., W. Blau, D.T. Croke, D.J. McConnell and J.M. Kelly, One-dimensional photoconductivity in DNA	141 (1987) 489
Magini, M., see G. Ennas	141 (1987) 143
Maier, M., see J. Gerblinger	141 (1987) 31
Marques-Netto, A., S.M.C. Maximo Bicalho, J.C. Machado, E.O. Fantine, J.Ch. Abbé and G. Duplătre, Positron annihilation studies in solid lanthanide trisacetylacetones	141 (1987) 198
Martins Jr., S. and N.V. Vugman, ESR of osmium(I) and iridium(II) mono- and di-chlorinated pentacyano species: a comparative study	141 (1987) 548
Marynick, D.S., see F.U. Axe	141 (1987) 455
Maximo Bicalho, S.M.C., see A. Marques-Netto	141 (1987) 198
McCammon, J.A., see J.D. Madura	141 (1987) 83
McConnell, D.J., see J.D. Magan	141 (1987) 489
McCullough Jr., E.A., see K.W. Richman	141 (1987) 186
McLauchlan, K.A., see F. Jent	141 (1987) 443
McLean, A.D., see P. Jensen	141 (1987) 53
McQuaide, B.H., M.D. Hawkins and M.S. Banna, Shake up in the core ionization of atomic zinc and cadmium	141 (1987) 306
Mehring, M., see R.A. Wind	141 (1987) 283
Michalska, D., H. Chojnacki, B.A. Hess Jr. and L.J. Schaad, Ab initio second-order Møller-Plesset calculation of the vibrational spectra of C ₄ clusters	141 (1987) 376
Mihailovic, P., P. Bassoul and J. Simon, Crystalline phase transition and non-linear optical properties of a plastic crystal: The N-oxide of triethylene diamine	141 (1987) 462
Millen, D.J., see A.C. Legon	141 (1987) 493
Miller, M.A., see J.M. Schulman	141 (1987) 45
Mizugai, Y., H. Ichinose and F.O. Shimizu, Perturbations in high vibrational levels of the low lying electronic states of BaO	141 (1987) 41
Mori, T., see H. Fujimoto	141 (1987) 485
Müller-Plathe, F., see P. Pyykkö	141 (1987) 535
Musinu, A., see G. Ennas	141 (1987) 143
Nagamura, T. and K. Sakai, Luminescent charge-transfer complexes of 4,4'-bipyridinium ion with tetrakis[3,5-bis(trifluoromethyl)phenyl]borate anion	141 (1987) 553
Nakamura, H., Resonance in collinear chemical reactions caused by barrier penetration and non-adiabatic coupling	141 (1987) 77
Nakamura, S., see A. Dedieu	141 (1987) 323
Nakatsuji, H., see M. Hada	141 (1987) 339
Nelson, K.A., see S. Ruhman	141 (1987) 16
Nishi, N., see H. Shinohara	141 (1987) 292
Nishimura, Y., see H. Obase	141 (1987) 133
Obase, H., M. Tsuji and Y. Nishimura, The rotational distribution of OCS ⁺ (A ² P ₀ ; 0 ⁰) arising from the thermal energy charge transfer reaction of N ₂ ⁺ with OCS	141 (1987) 133
Oki, T., see Y. Hidaka	141 (1987) 212
Orlandi, G., see F. Zerbetto	141 (1987) 138
Orlando, J.J., J. Reid and D.R. Smith, Time-resolved tunable diode laser detection of	

products of CF_2HCl IRMPD: a linestrength measurement for CF_2	141 (1987) 423
Ozaki, T., see K. Tokumura	141 (1987) 558
Page, R.H., M.F. Vernon, Y.R. Shen and Y.T. Lee, Infrared vibrational predissociation spectra of large water clusters	141 (1987) 1
Pagsberg, P., E. Ratajczak, A. Sillesen and J.T. Jodkowski, Spectrokinetic studies of the gas-phase equilibrium $\text{F} + \text{O}_2 \rightleftharpoons \text{FO}_2$ between 295 and 359 K	141 (1987) 88
Parker, D.H., see Z.W. Wang	141 (1987) 25
Paul, H., see F. Jent	141 (1987) 443
Pauley, D.J., see S.G. Kukolich	141 (1987) 12
Peck, R.C., see J.M. Schulman	141 (1987) 45
Persson, B.N.J., The atomic force microscope: can it be used to study biological molecules?	141 (1987) 366
Petersen, J.C. and M. Vervloet, Infrared emission spectrum of HNO : the ν_1 band	141 (1987) 499
Pettitt, B.M., see J.D. Madura	141 (1987) 83
Peyerimhoff, S.D., see A.B. Sannigrahi	141 (1987) 49
Piccaluga, G., see G. Ennas	141 (1987) 143
Pinna, G., see G. Ennas	141 (1987) 143
Pitanga, P., see M.S. de Giambiagi	141 (1987) 466
Pople, J.A., see L.A. Curtiss	141 (1987) 175
Preston, S., see R. Friedman	141 (1987) 469
Pyykkö, P., G.H.F. Diercksen, F. Müller-Plathe and L. Laaksonen, Fully numerical Hartree-Fock calculations on NaF , MgO , BeS , and ArH^+ . On the dipole moment of ArH^+	141 (1987) 535
Quesada, M.A., see Z.W. Wang	141 (1987) 25
Ramasesha, S., Estimation of correlation energy and the exchange constant in yttrium barium copper oxides	141 (1987) 401
Ratajczak, E., see P. Pagsberg	141 (1987) 88
Reid, J., see J.J. Orlando	141 (1987) 423
Reinsch, E.-A., A theoretical investigation of the excited states of the H_2O_2 molecule	141 (1987) 369
Reisfeld, R., see D. Brusilovsky	141 (1987) 119
Ricci, M.A., see R. Frattini	141 (1987) 297
Richman, K.W., Z. Shi and E.A. McCullough Jr., Calculation of the hyperfine splitting constants for diatomic molecules using numerical wavefunctions	141 (1987) 186
Rosi, B., see K.J. Abed	141 (1987) 215
Ruane, T.P., see D.B. Kitchen	141 (1987) 525
Ruhman, S., B. Kohler, A.G. Joly and K.A. Nelson, Intermolecular vibrational motion in CS_2 liquid at $165 \leq T \leq 300$ K observed by femtosecond time-resolved impulsive stimulated scattering	141 (1987) 16
Ruocco, G., see R. Frattini	141 (1987) 297
Sadlej, A.J., see G.H.F. Diercksen	141 (1987) 530
Sakai, K., see T. Nagamura	141 (1987) 553
Salter, E.A., G.W. Trucks, G. Fitzgerald and R.J. Bartlett, Theory and application of MBPT(3) gradients: the density approach	141 (1987) 61
Salvi, P.R., P. Foggi, R. Bini and E. Castellucci, The two-photon spectrum of liquid pyridine by thermal lensing techniques	141 (1987) 417

Salzman, W.R., Semiclassical theory of "optical activity" in the asymmetric top: near resonance	141 (1987) 71
Sampoli, M., see R. Frattini	141 (1987) 297
Sannigrahi, A.B. and S.D. Peyerimhoff, An ab initio CI study of the electronic structure and spectrum of the trichloride ion	141 (1987) 49
Saykally, R.J., see K.L. Busarow	141 (1987) 289
Scaiano, J.C. and D. Weir, Absorption spectrum, lifetime and reactivity of the excited triplet state of dimesitylcarbene	141 (1987) 503
Sceats, M.G., see N.J. Cotes	141 (1987) 405
Schaad, L.J., see D. Michalska	141 (1987) 376
Scherer, P.O.J. and S.F. Fischer, On the initial charge separation in bacterial reaction centers: long-range electron transfer via an exciton-charge transfer (ECT) coupling mechanism	141 (1987) 179
Schlag, E.W., see R. Weinkauf	141 (1987) 267
Schulman, J.M., R.L. Disch, M.A. Miller and R.C. Peck, Symmetrical clusters of carbon atoms: The C_{24} and C_{60} molecules	141 (1987) 45
Seidel, H., see W. Stöcklein	141 (1987) 277
Seki, K., see H. Fujimoto	141 (1987) 485
Selgren, S.F. and G.I. Gellene, Experimental evidence for the metastability of neon hydride	141 (1987) 508
Shan, J.H. and R. Vasudev, Effect of intramolecular dynamics on state-to-state photochemistry: fragmentation of the \bar{A} state of trans-DONO	141 (1987) 472
Sheldon, J.C., see A. Dedieu	141 (1987) 323
Shen, Y.R., see R.H. Page	141 (1987) 1
Shi, Z., see K.W. Richman	141 (1987) 186
Shimizu, F.O., see Y. Mizugai	141 (1987) 41
Shinohara, H., see H. Shiromaru	141 (1987) 7
Shinohara, H. and N. Nishi, Resonance-enhanced 2PI detection of ammonia clusters via a linear reflectron TOF mass spectrometer	141 (1987) 292
Shiromaru, H., H. Shinohara, N. Washida, H.-S. Yoo and K. Kimura, Synchrotron radiation measurements of appearance potentials for $(H_2O)_2^+$, $(H_2O)_3^+$, $(H_2O)_2H^+$ and $(H_2O)_3H^+$ in supersonic jets	141 (1987) 7
Siegbahn, P.E.M., see A. Veillard	141 (1987) 329
Sillesen, A., see P. Pagsberg	141 (1987) 88
Simandiras, E.D., J.F. Gaw and N.C. Handy, The structure and vibrational frequencies of the ArH_3^+ ion and its isotopomers	141 (1987) 166
Simon, J., see P. Mihailovic	141 (1987) 462
Singel, D., see W. Stöcklein	141 (1987) 277
Slanger, T.G., see G. Black	141 (1987) 58
Slaughter, A.R. and M.S. Banna, The gas phase X-ray photoelectron spectrum of N,N-dimethyl- <i>p</i> -nitroaniline	141 (1987) 414
Smith, D.R., see J.J. Orlando	141 (1987) 423
Soep, B., see M.-C. Duval	141 (1987) 225
Spiganin, T.A. and D.W. Chandler, Translational spectroscopy of HNCO photodissociation	141 (1987) 428
Stevens, D.G., see F. Jent	141 (1987) 443
Stirling, P., see M. Wittmann	141 (1987) 241
Stöcklein, W., H. Seidel, D. Singel, R.D. Kendrick and C.S. Yannoni, High-resolution ^{13}C DNP NMR and ^{13}C Knight shift suppression in single crystals of the organic conductor $(fluoranthenyl)_2PF_6$	

Strich, A., see A. Veillard	27 November 1987
Sugano, T., see K. Awaga	141 (1987) 277
Sugita, K., see H. Fujimoto	141 (1987) 329
	141 (1987) 540
	141 (1987) 485
Takui, T., see Y. Teki	141 (1987) 201
Teki, Y., T. Takui, T. Kinoshita, S. Ichikawa, H. Yagi and K. Itoh, Spin alignment in organic high-spin molecules as studied by ESR and the generalized Hubbard Hamiltonian approach	141 (1987) 201
Tellinghuisen, J., see D.K. Chakraborty	141 (1987) 36
Tellinghuisen, P.C., see D.K. Chakraborty	141 (1987) 36
Terazima, M. and T. Azumi, Measurement of the triplet lifetime and the quantum yield of triplet formation of phthalazine by the time-resolved thermal lens method	141 (1987) 237
Thistlethwaite, P.J., see F. Grieser	141 (1987) 108
Tockstein, A., A kinetic model with bistability and oscillations on the thermodynamic branch applicable to a continuously stirred tank reactor system	141 (1987) 95
Tokumura, K., M. Udagawa, T. Ozaki and M. Itoh, Doublet-doublet fluorescence of benzyl, <i>p</i> -methylbenzyl and <i>p</i> -chlorobenzyl radicals in solution	141 (1987) 558
Trucks, G.W., see E.A. Salter	141 (1987) 61
Tsuji, M., see H. Obase	141 (1987) 133
Udagawa, M., see K. Tokumura	141 (1987) 558
Ueno, N., see H. Fujimoto	141 (1987) 485
Ullmann, M. and J. Augustynski, The involvement of surface-bonded intermediates in the competitive photo-oxidation of methanol and hydroxyl ions at a TiO ₂ electrode	141 (1987) 154
Urquhart, R.S., see F. Grieser	141 (1987) 108
Valeur, B., see E. Bardez	141 (1987) 261
Van der Maarel, J.R.C. and J. de Bleijser, Water and aluminium self-diffusion in aqueous AlCl ₃ solutions	141 (1987) 251
Varnavsky, O., I. Grund, M. Hauser and U.K.A. Klein, Investigation of the internal mobility of Triton X 100 micelles by fluorescence anisotropy and excimer probing	141 (1987) 99
Vasudev, R., see J.H. Shan	141 (1987) 472
Veillard, A., A. Strich, C. Daniel and P.E.M. Siegbahn, A CAS SCF CCI study of the lowest excited states of HMn(CO) ₅ and Fe(CO) ₅	141 (1987) 329
Vernon, M.F., see R.H. Page	141 (1987) 1
Vervloet, M., see J.C. Petersen	141 (1987) 499
Vittadini, A., see M. Casarin	141 (1987) 193
Vogelsanger, B., W. Caminati and A. Bauder, The pure rotational spectrum of cyclobutane- <i>d</i> , observed by microwave Fourier transform spectroscopy	141 (1987) 245
Vojta, G., see J. Kärger	141 (1987) 411
Vugman, N.V., see S. Martins Jr.	141 (1987) 548
Wales, D.J., Closed-shell structures and the building game	141 (1987) 478
Walter, K., see R. Weinkauf	141 (1987) 267
Wang, Z.W., M.A. Quesada and D.H. Parker, Torsional mode relaxation of DABCO in a seeded supersonic beam	141 (1987) 25
Ward, R.C., see K.J. Abed	141 (1987) 215

Washida, N., see H. Shiromaru	141 (1987) 7
Weinkauf, R., K. Walter, U. Boesl and E.W. Schlag, Mass-selected molecular ion spectra: (1 + 1)-photodissociation spectroscopy of CH_3I^+ and CD_3I^+	141 (1987) 267
Weir, D., see J.C. Scaiano	141 (1987) 503
Willoughby, L.C., see A.C. Legon	141 (1987) 493
Wind, R.A., H. Lock and M. Mehring, ^{13}C Knight shift saturation and ^1H dynamic nuclear polarization in a polycrystalline sample of the organic conductor $(\text{fluoranthenyl})_2\text{PF}_6$	141 (1987) 283
Wittmann, M., P. Stirling and J. Bódiss, Temporary non-oscillatory states in the oxalic acid-acetone mixed substrate Belousov-Zhabotinskii reaction	141 (1987) 241
Yagi, H., see Y. Teki	141 (1987) 201
Yannoni, C.S., see W. Stöcklein	141 (1987) 277
Yarkony, D.R., see J.O. Jensen	141 (1987) 391
Yokono, H., see M. Hada	141 (1987) 339
Yoo, H.-S., see H. Shiromaru	141 (1987) 7
Yurtsever, E., Algebraic approaches to eigenvalue equations: the Wronskian method	141 (1987) 386
Zerbetto, F., M.Z. Zgierski and G. Orlandi, Correlation between the frequency of the Franck-Condon active $\text{C}=\text{C}$ a_g stretch vibration and the excitation energy of the 1B_u electronic state in polyenes	141 (1987) 138
Zgierski, M.Z., see F. Zerbetto	141 (1987) 138